

Parsa Saeedi

Computer Science, Year 3

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PROFESSIONAL EXPERIENCE

Full-stack Developer Intern

Alida • Vancouver, BC
Jan 2023 - Sep 2023

- Developed front-end solutions with React.js to enhance user experience
- Developed and maintained RESTful APIs using C# and Node.js
- Managed PostgreSQL and Microsoft SQL Server databases
- Implemented Jest and NUnit tests for rigorous unit and integration testing
- Operated within a CI/CD Scrum framework, utilizing tools like Jira for effective project adherence

Applications Engineer Intern

Microchip • Vancouver, BC
Sep 2022 - Dec 2022

- Supported Tier-1 customers such as IBM, Amazon, Hitachi, Fujitsu, and Lenovo in the adoption of PCIe Switches into their data centers.
- Debugged C firmware code to identify the root cause in complex customer issues.
- Engaged directly with customers and created complex lab setups to reproduce their issues.
- Developed Bash script to version-control, and automate the process of building firmware.
- Lead hands-on labs for internal training.
- Gained experience with the PCIe protocol and Linux.

R Shiny Web App Developer

BC Children's Hospital Research Institute • Vancouver, BC
Sep 2021 - May 2022

- Developed a web application to process and analyze published cancer datasets.
- Explored and engineered methods to extract, process, store, and analyze gene expression data using R.
- Developed a friendly user interface to visualize research datasets using R-Shiny.

TECHNICAL PROJECTS

InterSpot.net

Aug 2022

- Developed a React web application that generates a Spotify playlist with the intersection of two user's favourite songs.
- Made with React, SASS, Spotify API, OAuth 2.0, and lots of AJAX programming.

Imago

May 2022

- Developed a multithreaded CLI image editor. User can adjust luminance, saturation, hue, highlights, shadows, and vignette of image.
- Made with C++.

TECHNICAL SKILLS

Languages

- TypeScript / JavaScript
- C / C++
- Python
- C#
- Java
- Swift
- R
- HTML / CSS / SASS

Frameworks & Libraries

- React.js
- Node.js
- Jest / NUnit / JUnit
- .NET
- Flask
- R Shiny

Databases

- PostgreSQL
- Microsoft SQL Server
- SQLite3
- MongoDB

Tools & Technologies

- GitHub / Git
- Jira
- Kibana
- CI/CD
- Xcode

EDUCATION

Computer Science (BSc)

University of British Columbia

- Year 3
- 2021 Dean's List

CERTIFICATES

CS50

HarvardX - Sep 2020

- Learned C, Python, SQLite3, HTML, CSS, JavaScript, and Flask

INTERESTS

- Piano, Guitar, Philosophy, Photography, Science, Astronomy, Gaming